AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A data structure for ~~enabling~~ preventing access, in a computer system, ~~101 an access~~ to a data object ~~(201.x)~~ having an identifier (ID), comprising:

a first lock object ~~(203)~~, in which the ID of the data object ~~(201.x)~~ is stored, and in which a link to a storage location of the data object ~~(201.x)~~ is assigned to ~~said~~ the ID, and

a second lock object ~~(204)~~, in which the ID of the data object ~~(201.x)~~ is stored, wherein

the ID ~~being~~ is stored in the second lock object ~~(204)~~ before storing the ID in the first lock object ~~(203)~~ or before assigning the storage location of the data object ~~(201.x)~~ to the ID in first lock object ~~(203)~~, wherein

the ID ~~being~~ is deleted from the second lock object ~~(204)~~ after storing the ID in the first lock object ~~(203)~~ or after assigning the storage location of the data object ~~(201.x)~~ to the ID in the first lock object ~~(203)~~, and wherein

~~said~~ the lock objects ~~(203, 204)~~ ~~being~~ is accessible by a software application ~~(111)~~, whereby the access of the software application to the data object ~~(201.x)~~ is prevented[[,]] if the ID is stored in the first ~~(203)~~ or second ~~(204)~~ lock object.

2. (Currently Amended) The data structure of claim 1, ~~further comprising:~~ wherein ~~said~~ the link is a filename or a link to a file.

3. (Currently Amended) The data structure of claim 1 ~~or 2~~, wherein ~~said~~ the first lock object ~~(203)~~ is a file stored ~~on~~ in a nonvolatile storage means ~~(107)~~.

4. (Currently Amended) The data structure of ~~one of claims~~ claim 1 ~~to 3~~, wherein ~~said~~ the first lock object ~~(203)~~ comprises a table, having a column for the ID and a column for the link of the ID to a storage location.

5. (Currently Amended) The data structure of ~~one of claims~~ claim 1 ~~to 4~~, wherein [[a]] the data object ~~(201.x)~~ comprises one ore more fields of one or more tables and wherein the ID comprises one or more key fields of the one or more tables.

6. (Currently Amended) The data structure of ~~one of claims~~ claim 1 ~~to 5~~, wherein ~~said~~ the first and second lock objects ~~(203, 204)~~ are created by a data moving or data archiving process.

7. (Currently Amended) The data structure of ~~one of claims~~ claim 1 ~~to 6~~, wherein the second lock object ~~(204)~~ is stored in a volatile ~~(112)~~ or nonvolatile ~~(107)~~ storage means.

8. (Currently Amended) The data structure one of ~~claims~~ claim 1 ~~to 7~~, wherein ~~said~~ the second lock object ~~(204)~~ is a data array.

9. (Currently Amended) The data structure of claim 8, wherein ~~said~~ the data array is one dimensional.

10. (Currently Amended) The data structure of ~~one of claims~~ claim 1 ~~to 9~~ for use in ~~an~~ enterprise resource planning software.

11. (Currently Amended) A computer system ~~(101)~~ for processing data ~~by means of or in a software application (111) for enabling~~ and preventing ~~in a computer system an~~ access to a data object ~~(201.x)~~ having an identifier (ID), comprising:

[[-]] memory ~~(112)~~ means having program instructions;

[[-]] input means ~~(102, 104)~~ for entering data;

[[-]] storage means ~~(107, 108, 112)~~ for storing data;

[[-]] a processor ~~(105)~~ responsive to the program instructions and

[[-]] a data structure ~~(203, 204) according to one or more of claims 1 to 10~~ comprising:

a first lock object, in which the ID of the data object is stored, and in which a link to a storage location of the data object is assigned to the ID, and

a second lock object, in which the ID of the data object is stored, wherein

the ID is stored in the second lock object ~~(204)~~ before storing the ID in the first lock object or before assigning the storage location of the data object to the ID in first lock object, wherein

the ID is deleted from the second lock object after storing the ID in the first lock object or after assigning the storage location of the data object to the ID in the first lock object, and wherein

the lock object is accessible by a software application, whereby the access of the software application to the data object is prevented if the ID is stored in the first or second lock object.

12. (Currently Amended) A computer readable medium comprising instructions ~~for enabling preventing in a computer system an access to a data object having an identifier (ID), comprising instructions~~ for creating a data structure for preventing access, in a computer system, to a data object having an identifier (ID), comprising:

a first lock object, in which the ID of the data object is stored, and in which a link to a storage location of the data object is assigned to the ID, and

a second lock object, in which the ID of the data object is stored, wherein

the ID is stored in the second lock object ~~(204)~~ before storing the ID in the first lock object or before assigning the storage location of the data object to the ID in first lock object, wherein

the ID is deleted from the second lock object after storing the ID in the first lock object or after assigning the storage location of the data object to the ID in the first lock object, and wherein

the lock object is accessible by a software application, whereby the access of the software application to the data object is prevented if the ID is stored in the first or second lock object.

~~according to one or more of claims 1 to 10, if said instructions are executed by a computer system~~.

13. (Cancelled)

14. (New) The data structure of claims 11 or 12, wherein the link is a filename or a link to a file.

15. (New) The data structure of claims 11 or 12, wherein the first lock object is a file stored on a nonvolatile storage means.

16. (New) The data structure of claims 11 or 12, wherein ~~said~~ the first lock object comprises a table, having a column for the ID and a column for the link of the ID to a storage location.

17. (New) The data structure of claims 11 or 12, wherein the data object comprises one ore more fields of one or more tables and wherein the ID comprises one or more key fields of the one or more tables.

18. (New) The data structure of claims 11 or 12, wherein the first and second lock objects are created by a data moving or data archiving process.

19. (New) The data structure of claims 11 or 12, wherein the second lock object is stored in a volatile or nonvolatile storage means.

20. (New) The data structure of claims 11 or 12, wherein the second lock object is a data array.

21. (New) The data structure of claims 11 or 12, wherein the data array is one dimensional.